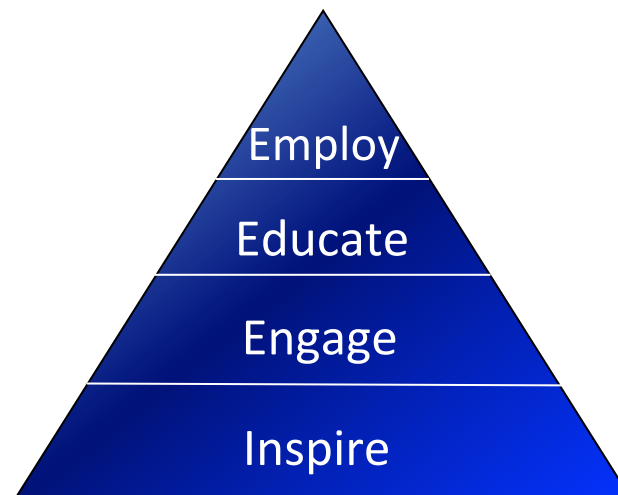




“Connections Through Collaborations”

NHHPC Panel
NASA Ames Research Center

October 18, 2011



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Minority University Research and Education Program/NASA HQ

NASA Education Vision Statement

To advance **high quality** Science, Technology, Engineering, and Mathematics (**STEM**) education using **NASA's unique** capabilities.



NASA FY2011 Strategic Goals and Outcomes for Education

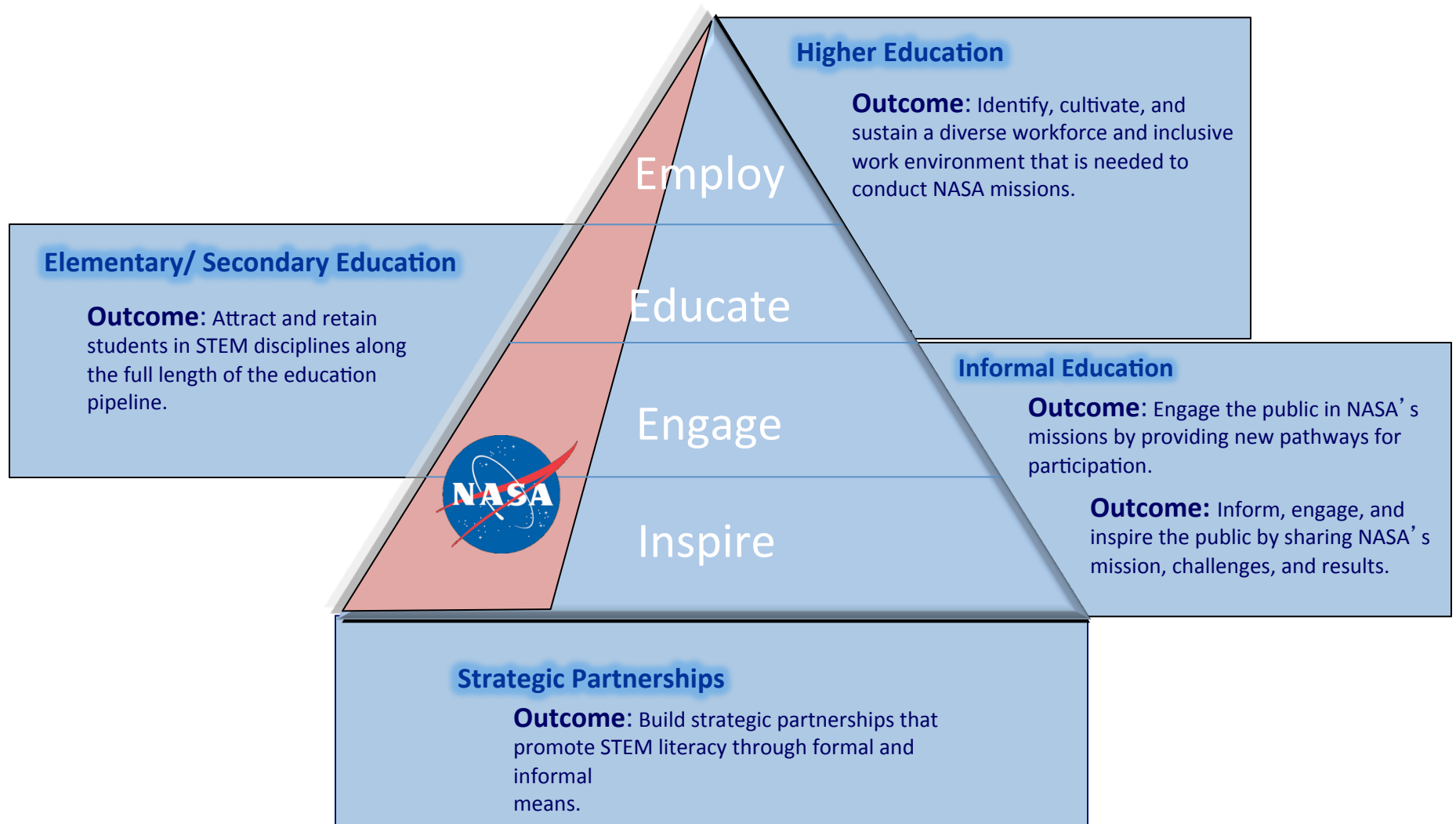
Strategic Goal 5: Enable program and institutional capabilities to conduct NASA's aeronautics and space activities.

- Outcome 5.1: Identify, cultivate, and sustain a diverse workforce and inclusive work environment that is needed to conduct NASA missions.

Strategic Goal 6: Share NASA with the public, educators, and students to provide opportunities to participate in our Mission, foster innovation, and contribute to a strong national economy.

- Outcome 6.1: Improve retention of students in STEM disciplines by providing opportunities and activities along the full length of the education pipeline.
- Outcome 6.2 Promote STEM literacy through strategic partnerships with formal and informal organizations.
- Outcome 6.3: Engage the public in NASA's missions by providing new pathways for participation.
- Outcome 6.4: Inform, engage, and inspire the public by sharing NASA's missions, challenges, and results.

STEM Education Framework



* Science, Technology, Engineering and Mathematics (STEM)

Design Team Findings and Recommendations

Programmatic recommendations

1. Focus the NASA Education Program to improve its impact on areas of greatest national need.
 - Professional training and development of educators working with middle-school age students;
 - Higher Education program that provides experimental opportunities for students
2. Identify and strategically manage NASA Education Partnerships.
3. Participate in National and State STEM Education policy discussions.

Organizational recommendations

1. Establish a structure to allow the Office of Education, Centers, and Mission Directorates to implement a strategically integrated portfolio.
2. Expand the charter of the Education Coordinating Committee to enable deliberate education program design and evaluation.
3. Improve communication to inspire learners.

NASA Seeking Collaborators

In October 2010, the Office of Education convened a three-day innovation summit.

The summit brought together education, industry, non-profit, and government leaders.

Group reconfirmed the need to work with nontraditional partners to transform STEM education.

Participants issued a call to action to leverage one another's expertise, resources, unique brands, and abilities to engage diverse audiences to improve STEM education.

Seeking Collaborators to Assist NASA in Inspiring a New Generation of Scientists, Engineers, Explorers, Educators and Innovators

NASA seeks unfunded collaborations with organizations to enhance its ability to achieve its strategic goals, outcomes, and objectives as they relate to education and as articulated in the 2011 NASA Strategic Plan.

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Current Response Date: December 31, 2011

http://www.nasa.gov/offices/education/about/NASA_Seeks_Collaborators.html



If we want to win the future—if we want innovation to produce jobs in America and not overseas—then we also have to win the race to educate our kids.

- President Barack Obama

State of the Union

January 25, 2011